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CAS REGISTRYSM and CAS Registry Numbers

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What is CAS REGISTRY?	<p>CAS REGISTRY is the most authoritative collection of disclosed chemical substance information, containing more than 42 million organic and inorganic substances and 60 million sequences. (view current numbers)</p> <p>CAS REGISTRY covers substances identified from the scientific literature from 1957 to the present, with additional substances going back to the early 1900s.</p>
What is a CAS Registry Number (CASRN)?	<p>Each CAS Registry Number (often referred to as a CAS Number):</p> <ul style="list-style-type: none"> • Is a unique numeric identifier • Designates only one substance • Has no chemical significance • Is a link to a wealth of information about a specific chemical substance
What does a CAS Registry Number look like?	<p>A CAS Registry Number is a numeric identifier that can contain up to 10 digits, divided by hyphens into three parts.</p> <p>The right-most digit is a check digit used to verify the validity and uniqueness of the entire number.</p> <p>For example, 58-08-2 is the CAS Registry Number for caffeine.</p>
How does CAS assign Registry Numbers?	<p>A CAS Registry Number is assigned to a substance when it enters the CAS REGISTRY database. Numbers are assigned in sequential order to unique, new substances identified by CAS scientists for inclusion in the database.</p>
What kinds of compounds does the CAS REGISTRY contain?	<p>CAS REGISTRY contains a wide variety of substances, including the world's largest collection of:</p> <ul style="list-style-type: none"> • Organic compounds • Inorganic compounds • Metals • Alloys • Minerals • Coordination compounds • Organometallics • Elements • Isotopes • Nuclear particles

	<ul style="list-style-type: none"> • Proteins and nucleic acids • Polymers • Nonstructurable materials (UVCBs)
How frequently is the CAS REGISTRY database updated?	<p>Approximately 12,000 new substances are added each day.</p> <p>See the most up-to-date CAS REGISTRY figures.</p>
Why have CAS Registry Numbers become the world standard?	<p>Since CAS Registry Numbers are not dependent upon any system of chemical nomenclature, they can:</p> <ul style="list-style-type: none"> • Provide a reliable common link between the various nomenclature terms used to describe substances • Serve as an international resource for chemical substance identifiers used by scientists, industry, and regulatory bodies
Why do regulatory agencies rely on CAS Registry Numbers?	<p>Chemical compounds can be described in many different ways:</p> <ul style="list-style-type: none"> • Molecular formula • Structure diagram • Systematic names • Generic names • Proprietary or trade names • Trivial names <p>A CAS Registry Number, however, is unique and specific to only one substance regardless of how many other ways the substance can be described.</p> <p>Governmental agencies have found CAS Registry Numbers ideal for keeping track of substances:</p> <ul style="list-style-type: none"> • They are unique • They can be validated quickly and reliably • They are internationally recognized
Where can I find CAS REGISTRY Numbers?	<p>Find CAS Registry Numbers in:</p> <ul style="list-style-type: none"> • SciFinder • STN databases • CD-ROM products • CAS printed publications • Other publications <ul style="list-style-type: none"> • Governmental regulatory agency commercial chemical inventories • Selected Elsevier databases • Handbooks, guides, technical reports • Other printed reference works • Chemical catalogs <p>In a hurry? Contact CAS Registry Number Lookup Service and ask for 24-hour turnaround (Mon-Fri).</p>
How can I obtain or request assignment of a CAS Registry Number?	<p>CAS Client Services offers you several options for confirming and assigning CAS Registry Numbers and obtaining CA Index Names. Note that there is a fee associated with this service.</p>
Why is it important to come to CAS for Registry Numbers?	<p>While printed publications may contain outdated information, the CAS REGISTRY database is updated daily providing your best source for the latest CAS Registry Number information.</p> <p>CAS is the source and final authority for CAS Registry Numbers. Other resources may have associated an incorrect CAS Registry Number with a compound, and use of that incorrect CAS Registry Number in searches could lead you to irrelevant or inappropriate information.</p>

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